ColPali Visual Embedding RAG Test Document

1. Pipeline Timing Diagram

ColPali RAG Pipeline Stage Timing
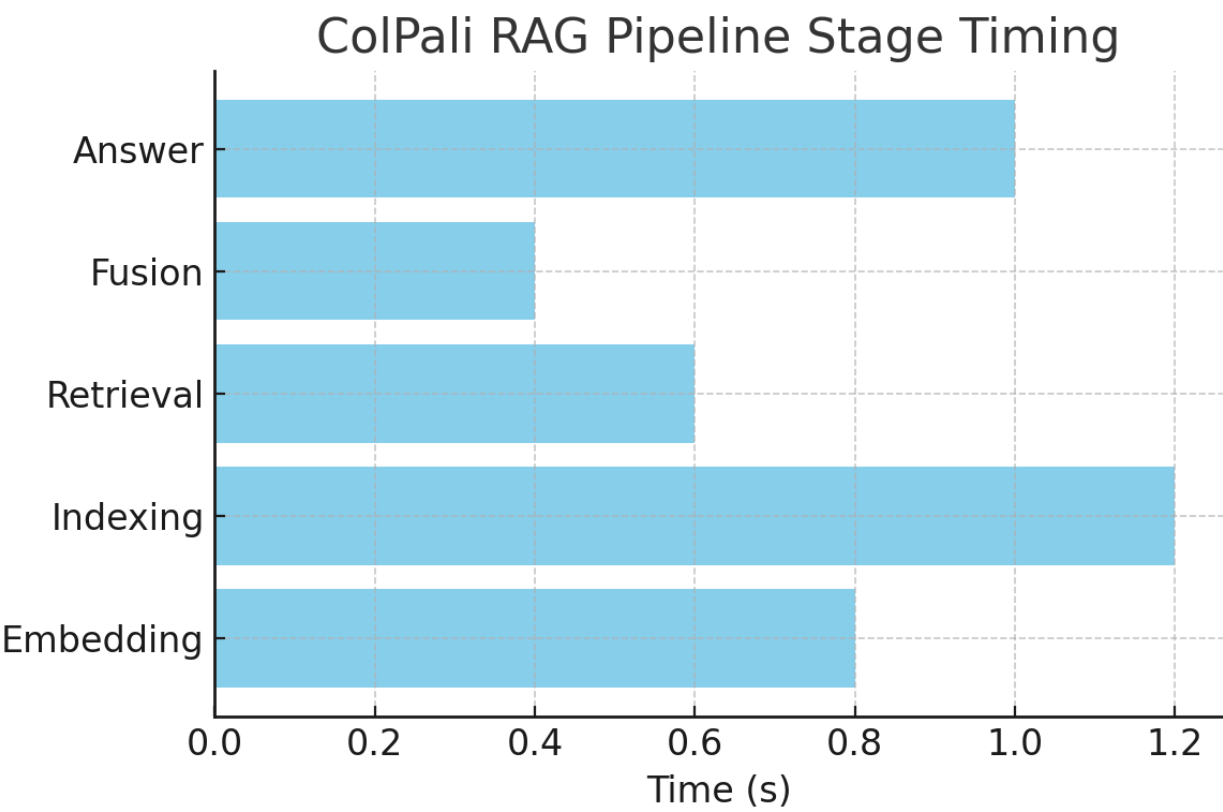
2. Technical Table

Stage	Algorithm	Runtime (ms)	Accuracy (%)	Notes
Embedding	ColPali-ViT	800	92.5	Visual layout encoded
Indexing	FAISS	1200	89.0	Flat L2 Index
Retrieval	Top-K	600	93.2	Semantic score
Fusion	Weighted Merge	400	90.8	Layout bias
Answer	LLM Decoder	1000	94.1	Context aware